

JFCOM Concepts Required C2 Capabilities Major Combat Operations

4.A.1 Clearly express a compelling and nested intent of what needs to be accomplished, using common frames of reference among military, interagency and coalition partners.
4.A.2 Define desired effects discretely enough to focus planning and determine requisite actions at all levels, and communicate desired end state(s) and effects to the lowest level required in order to execute the actions that lead to desired effects, assess the results of those actions, and adapt as necessary to achieve those effects.
4.A.3 Express commander's intent that will achieve the overall strategic purpose, or the eventual political end state, while in a dynamic environment, without undue focus on specified tasks; and assure understanding of the commander's intent at the lowest, actionable, relevant level.
4.A.4 Facilitate both centralized and decentralized decision-making as appropriate, exploiting decision support tools to make well-informed decisions faster than the opponent.
4.A.5 Provide effective leadership (based on selection, training, education, and experience of leaders) in a combined, adaptive, collaborative environment.
4.A.6 Maintain a robust, joint network that (1) avoids single points of failure, (2) enables graceful degradation, (3) is based on uniform standards at the data and information level to allow warfighters throughout the force to use applications without compromising interoperability, and (4) promotes the ability of commanders at all levels to decide and act with greater assurance and speed.
4.A.7 Field and employ coherently joint, trained, and practiced headquarters elements

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4.B.1 Maintain persistent situational awareness and achieve shared understanding through a collaborative environment among joint, interagen- cy, and multinational partners in order to know the full dimensions of the operational environment, our adversaries, others, and ourselves.

4.B.2 Conduct planning in a collaborative environment that is flexible, robust, supported by automated decision tools (including a common relevant operational picture [CROP]), and extends beyond the bounds of MCO in order to facilitate transition operations.

4.B.3 Deploy a robust, pervasive, dynamically tailored, and high-fidelity intelligence, surveillance, and reconnaissance (ISR) system, to include human intelligence (HUMINT) and space platforms.

4.B.4 Comprehensively, expertly, and robustly analyze intelligence, using in-depth knowledge of area studies, local cultures, and languages; and the ability to perform effects-assessment (including non-quantifiable effects), all incorporating a thorough appreciation of friendly, adversary, and other actors in the battlespace.

4.B.5 Establish a secure, broadly accessible, tailorable, and user-friendly common relevant operational picture (CROP), based on an Operational Net Assessment (ONA)-like system that is authoritative and updated frequently.

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Major Combat Operations

4.C.1 Develop processes, procedures, and automated support systems to fully integrate fires and maneuver, using enhanced kinetic and non-kinetic weapons, to increase lethality.

4.C.2 Rapidly project force directly to the objective from strategic and operational distances.

4.C.3 Rapidly deploy, employ, and sustain adaptive, modular, mission capability forces and packages to and throughout the battlespace, without creating predictable patterns.

4.C.4 Fully integrate joint, interagency, and coalition (combined) capabilities, from the strategic level down to the lowest practical level, to be able to employ all useful means and avenues of influence among all relevant actors, throughout the battlespace.

4.C.5 Empower commanders to conduct flexible and responsive operations at every useful level, to include Information Operations (IO) and maneuver and precision strike operations that are supported by enhanced integrated combined fires and compressed sensor-to-shooter-to-impact engagement capabilities.

4.C.6 Streamline deployment processes to satisfy Combatant Command needs, positioning friendly forces within operational reach of critical targets, while denying adversary forces access to key friendly targets.

4.C.7 Conduct large-scale, simultaneous and distributed, multidimensional combat operations (including unconventional and forcible-entry operations) regardless of existing target area infrastructure and environmental conditions; isolate the battlespace from unwanted influences; strike with great discrimination; move with great speed; and identify and eliminate or neutralize an opponent's asymmetric advantages, while securing and strengthening friendly asymmetric advantages.

4.C.8 Integrate Deployment, Employment, and Sustainment (DES) of the force in order to eliminate unnecessary redundancies, reduce friction, stimulate synergy, and enhance the

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Major Combat Operations

4.D.1 Establish and operate an adaptive, elastic, and ubiquitous distribution-based sustainment system, along with the requisite informational architecture, so that agile and dispersed forces never outrun or lose their ability to request and receive time-definite support, with customer wait time measured in minutes and hours, not days and weeks

4.D.2 Establish a joint sustainment force that is rapidly deployable, fully capable, immediately employable, flexible, highly mobile, modular, tailored, networked, survivable, and responsive to supported forces.

4.D.3 Maintain persistent deployment, employment, sustainment situational awareness; achieve shared understanding at multiple echelons (to include coalition partners) enabled by a joint logistics CROP; a reliable information/communications network; automated decision tools to anticipate, predict, plan, synchronize, and satisfy deployment and sustainment requirements that occur throughout a campaign.

4.D.4 Project and sustain forces when the adversary is competent and determined, strategic and theater lines of communication are not secure, access through fixed seaports and airfields in the battlespace is denied, and supported forces are widely dispersed.

4.D.5 Reduce the need for sustainment pauses, enabled by improved commonality, reliability, maintainability, sustainability, and survivability in order to conduct relentless operations.

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Major Combat Operations

4.E.1 Provide security for our forces, systems and processes (to include critical infrastructure, information and space capabilities) from origin to final objective positions within the Joint Operations Area.
4.E.2 Provide offensive capability to counter enemy anti-access systems including:
4.E.2.a Rapidly detecting, neutralizing or destroying mines at standoff ranges and in-stride.
4.E.2.b Using fixed and deployable detection and tracking sensors at strategic port approaches and chokepoints to complement persistent anti-submarine warfare.
4.E.2.c Using fixed and deployable detection and tracking sensors at strategic port approaches and chokepoints to complement persistent anti-submarine warfare.
4.E.2.d Rapidly defeating improved enemy air defense systems.
4.E.2.e Countering enemy theater and tactical missiles with highly deployable systems that provide warning, intent, location, launch, and destruction (pre-launch, cruise and terminal phase, and over-the-horizon).
4.E.3 Rapidly sense, detect, identify from standoff range, defend against, and recover the force from chemical, biological, radiological, nuclear, and enhanced-explosives attack.
4.E.4 Employ combat vehicles and support vehicles (and platforms) designed with survivability features such as improved speed, low observable and low signature stealth, protective construction (e.g., blast mitigation coatings, fragmentation resistant materials, shock resistance, reactive armor), and organic automated defense against

JFCOM Concepts Required C2 Capabilities Forcible Entry Operations

4.A.1.a Conduct dynamic and persistent joint command and control that supports planning and execution, from pre-execution through en route transit, execution at the objective area and transition to follow-on operations.

4.A.1.b Plan, rehearse and synchronize missions between the deploying force, the objective area, joint forces, interagency and multi-national forces en route to an objective by accessing the global information grid.

4.A.1.c Conduct collaborative decision-making under conditions of ambiguity, friction and stress.

4.A.1.d Achieve coherency of action at decisive points supported by planning and decision-making tools and common rules of engagement.

4.A.1.e Fully integrate fires and maneuver at the joint point of action.

4.A.1.f Expedite sustainment, mission changes, and fully informed decision-making through reach back.

JFCOM Concepts Required BA Capabilities Forcible Entry Operations

4.B.2.a Provide persistent intelligence, surveillance and reconnaissance that integrates all intelligence capabilities, including human intelligence assets, into the overall intelligence, surveillance and reconnaissance architecture.
4.B.2.b Provide a networked force linked and synchronized in time and purpose that can capitalize on near-instantaneous information and near simultaneous dissemination to turn information into action.
4.B.2.c Provide the joint forcible entry operations commander with field assessments that give him immediate information critical for decisions on landing zones, force disposition, fire support and protection schemes.
4.B.2.d Train with interagency and multinational partners to develop habitual associations and personal relationships to expand the network.
4.B.2.e Find, isolate, and neutralize enemy elements that seek refuge in complex, difficult terrain, such as urban areas.
4.B.2.f Detect and expose enemy covert and clandestine activities designed to disrupt, delay, and hinder the joint forcible entry operation.
4.B.2.g Provide positive force identification.

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Forcible Entry Operations

4.C.3.a Fully integrate fires and maneuver through kinetic, non-kinetic, lethal and non-lethal weapons to achieve desired effects.
4.C.3.b Conduct offensive information operations in order to defeat the enemy without direct force.
4.C.3.c Use air and sea lift to bypass fixed, predictable air and sea ports of debarkation and deliver forces in places the adversary does not expect.
4.C.3.d Quickly establish or upgrade joint contingency air bases and sea bases that support tailored mission requirements.
4.C.3.e Execute immediate response with modular, tailorable force packages pre-positioned in strategic locations.
4.C.3.f Conduct joint forcible entry via vertical envelopment[1] and surface amphibious assault across the global battlespace from strategic, operational and tactical distances.
4.C.3.g Provide near-continuous force application ranging from localized small-scale effects, to persistent effects that can dominate defined geographic regions in order to deny the enemy freedom of action.
4.C.3.h Defeat or bypass enemy access denial strategies to enable the use of multi-dimensional battlespace.
4.C.3.i Immediately deliver follow-on forces in multiple unpredictable locations with sufficient combat power to achieve decisive effects.
4.C.3.j Produce desired effects using precise fires and maneuver in order to limit the demand on logistics sustainment.

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Forcible Entry Operations

4.D.4.a Deliver and sustain the joint forcible entry operations force to objectives independent of existing infrastructure, from remote and austere bases; from sea-bases; and across strategic and operational distances.
4.D.4.b Rapidly deploy the joint forcible entry force across the global battlespace, with little or no RSOI constraints, and transition to immediate employment in the objective area.
4.D.4.c Provide a dynamic planning, tasking and execution process that supports the force flow and sustainment of the force.
4.D.4.d Seamlessly and rapidly reconstitute or reconfigure joint forcible entry forces and sustain operations.
4.D.4.e Establish additional contingency airfields or ports, or significantly increase the existing throughput capacity.
4.D.4.f Reduce supply and re-supply demands through weapon systems with increased precision, effectiveness, firepower and reliability.
4.D.4.g Recognize and rapidly apply technological advances that reduce the demand for all classes of supply in order to enhance joint forcible entry operations: e.g., reduce demand on fossil fuels, miniaturization of ordinance, etc.
4.D.4.h Provide what is needed, where it is needed, and when it is needed, to distributed forces through predictive logistics, reachback capabilities, improved throughput systems and precise delivery systems.
4.D.4.i Rapidly treat, stabilize and evacuate urgent casualties during joint forcible entry

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Forcible Entry Operations

4.E.5.a Disrupt, delay, destroy or disorient enemy fires through persistent, precise and timely counter fires.
4.E.5.b Protect the force as it deploys, transits, engages, and redeploys in a multi-dimensional battlespace.
4.E.5.c Provide on-call, immediate-response extraction airlift requiring little or no airfield infrastructure support.
4.E.5.d Positively identify all entities in the battlespace that includes friend, foe and noncombatants.
4.E.5.e Disrupt, delay, destroy or disorient the full range of enemy reconnaissance, surveillance and target acquisition.
4.E.5.f Disrupt, delay, destroy or disorient electromagnetic threats.
4.E.5.g Protect the joint collaborative network from all forms of attack.

JFCOM Concepts Required C2 Capabilities

Stability Operations

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| 4.A.1. The ability to create integrated, multi-agency unity of purpose vertically and horizontally throughout civil-military organizations by clearly articulating desired a shared vision of effects. |
| 4.A.2. The ability to ensure that stability planning is nested with war planning. |
| 4.A.3. The ability to conduct collaborative, planning, execution, and information sharing among US civil-military agencies and coalition partners from the operational to tactical levels. |
| 4.A.4. The ability to achieve multi-agency coherency of action during planning, coordination, and execution by creating a Joint, and combined when necessary, multi-agency planning and execution organization empowered to facilitate integrated civil-military operations. |
| 4.A.5. The ability to field a standing joint force headquarters augmented by a cadre element that is trained organized, and equipped to plan and conduct stability operations. Must possess the capability to command and control, as well as, plan operations on the move. Must be capable of producing mission-type orders that allow subordinate commanders to exercise initiative in the de-centralized execution of stability operations. |
| 4.A.6. The ability to integrate stability operations training with combat training. |

JFCOM Concepts Required BA Capabilities

Stability Operations

4.B.1. The ability to achieve a persistent situational awareness and shared understanding in a joint, multi-agency, and multinational context in order to know the operational environment and the interrelationship among ourselves, our adversaries, and the local population.

4.B.2. The ability to use an operational net assessment to support stability operations and to reflect that information in the integrated civil-military common relevant operating picture.

4.B.3. The ability to provide persistent intelligence, surveillance and reconnaissance that integrates all intelligence capabilities, including human intelligence assets, into the overall intelligence, surveillance, and reconnaissance architecture.

4.B.4. The ability to identify and exploit key sources of information and expertise best suited to meet the knowledge requirements of the joint force.

4.B.5. The ability to evaluate data and information using domain expertise and proven technologies to determine significant entities, trends and relationships, then disseminate relevant and coherent analysis to all levels of the integrated civil-military organization, from national level policy makers to operational commanders to tactical leaders.

JFCOM Concepts Required FA Capabilities

Stability Operations

4.C.1 The ability to impose security throughout the battlespace to ensure unhindered combat operations and set the stage for transition to stability.
4.C.1.a The ability to train operational headquarters to execute stability and major combat operations simultaneously and integrate those operations with a civilian multi-agency organization.
4.C.1.b The ability to disintegrate, disorient, dislocate, or destroy direct threats to stability with a combination of lethal and non-lethal as well as military and non-military means in urban and other complex terrain.
4.C.2.a Command element must be able to plan, organize, and execute integrated, multi-agency stability operations in a distributed environment in conjunction with combat forces or independently and implement a stand-alone public information campaign.
4.C.2.b The security element must be able to specifically conduct offensive and defensive stability operations in an unconventional environment that imposes and maintains full security in objective areas.
4.C.2.c The support element must be able to provide materiel and services to support civic assistance as well as to sustain the force. Includes enhanced, multifunctional engineer assets with self-protection capabilities to conduct construction, power generation, debris removal, and other required engineer functions.
4.C.2.d The civic assistance element must be able to support civil administration, coordinate humanitarian relief, restore basic services, maintain law and order, begin reconstruction efforts, and implement the public information campaign. The civic assistance elements must be capable of conducting its actions completely integrated with those of the multiple agencies that will have responsibility for creating the long-term conditions necessary for stability to grow.
4.C.2.e Non-combat elements (e.g., Combat Support, Combat Service Support, and when applicable selected civilian organizations) must have sufficient mobility, survivability, connectivity, and sustainability to immediately follow and support the combat task forces or teams.
4.C.3 The ability to integrate deployment, employment, and sustainment of the force, thus eliminating redundancies, stimulating synergy, and coordinating the movement and sustainment of forces conducting stability operations, and reducing in-country and regional footprint.
4.C.4 The ability to seamlessly transition joint deployment, employment, and sustainment from supporting

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Stability Operations

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| 4.D.1 The ability to maintain persistent deployment, employment, and sustainment situational awareness throughout the integrated, multi-agency organization. Support restoration of basic services by identifying those needs during planning and throughout the execution phase. |
| 4.D.2 Ability to develop joint logistics CROP, reliable information/communications network, automated decision tools to anticipate, predict, plan synchronize, and satisfy integrated, multi-agency stability operations requirements for deployment, employment, sustainment of forces. |
| 4.D.3 The ability to account for, contain, distribute or destroy military spoils: weapons, ammunition, and equipment and to conduct sensitive weapon site preservation. |
| 4.D.4 The ability to rapidly provide essential civil assistance, humanitarian, and reconstruction materiel in a combat or other hostile environment. |

JFCOM Concepts Required FP Capabilities

Stability Operations

4.E.1 The ability to track selected Blue forces to the individual level, near real time, in the battlespace to provide a properly filtered common operating picture, minimize fratricide, and enhance agility and synchronization. Must also be able to employ enhanced Red and Civilian Partner Force tracker capabilities, a real-time threat warnings broadcast system, chemical, biological, radiological, nuclear, and explosive protection, and automated diagnostic medical capabilities.

4.E.2 The ability to operate in a weapons of mass effect environment. Must be able to rapidly sense, detect, identify from standoff range, defend against, and recover the force from chemical, biological, radiological, nuclear, and enhanced-explosives attack.

4.E.3 Improve personnel protection.

4.E.3.a The ability to rapidly employ tactical forces capable of surviving while traversing complex terrain and employing precise firepower.

4.E.3.b The ability to issue improved body armor to all deployed personnel, military and civilian.

4.E.3.c The ability to employ improved counter-mine protection through remote detection and elimination, to include jamming and pre-emptive command detonation.

JFCOM Concepts Required C2 Capabilities Joint Urban Operations

4.A.1 Provide timely information sharing, collaboration, and information availability throughout the Force (military, coalition, & IA) down to the user level.

4.A.2 Provide a comprehensive understanding of the environment that fuses all available sources of data and makes it available, as required, down to the lowest tactical level.

4.A.3 Conduct technical, human and cultural communication in any potential language.

4.A.4 Synchronize efforts among DOD, the inter-agency, multinational and non-governmental agencies.

4.A.5 Create and control the public information domain including, television, radio, newsprint and internet.

4.A.6 Create a virtual CMOC that leverages NGO capabilities.

4.A.7 Generate models and simulations that incorporate red, blue and neutral forces to conduct virtual rehearsals and assess courses of action, in an urban environment.

JFCOM Concepts Required BA Capabilities

Joint Urban Operations

4.B.1 Maneuver sensors with freedom through all dimensions in order to provide surveillance of: the surface, sub-surface (ground and water), and structure interiors.
4.B.2 Generate an Urban Operational Net Assessment that includes: human factors assessments of population actions and reactions, knowledge of specific infrastructure services capabilities, reveal adversary intent and cultural profiles.
4.B.3 Create Cultural, ethnic, and geo-economic situational awareness before and during the conduct of operations.
4.B.4 Negate the adversary's inherent home court advantage in an urban environment through superior understanding.
4.B.5 Positively Identify and track, in three dimensions, Red, Green, Blue, and Neutral forces.
4.B.6 Establish a persistent ISR sensor surveillance net, including HUMINT, adapted to the Urban Environment.
4.B.7 Rapidly update 3-D mapping & charts with common map datum and the fidelity required to operate in urban terrain.
4.B.8 Detect threats to friendly forces both at close proximity and stand-off distances.
4.B.9 Determine the measures of effectiveness necessary to decide whether tasks are achieving the desired effects in the urban environment.
4.B.10 Know precisely who the adversary is and where he is located.
4.B.11 Assess lethal & non-lethal effects, integrate assessments into the targeting process

JFCOM Concepts Required FA Capabilities

Joint Urban Operations

4.C.1 Engage a broad spectrum of targets precisely with kinetic, non-kinetic, lethal and non-lethal means in order to disintegrate, disorient, dislocate, or destroy the adversary.

4.C.2 Engage precisely small, fleeting, partially concealed targets without unnecessarily damaging infrastructure, injuring noncombatants or exposing friendly forces to the effects of their own fires.

4.C.3 Conduct personnel recovery of high value targets while minimizing the potential for detection in the urban environment.

4.C.4 Selectively disable utility, transportation, and communication systems in a city for the short or long term.

4.C.5 Establish control over an uncooperative population.

4.C.6 Create trust and confidence among the population, in an unsecured environment. Sense of security. Minimize the impact of operations against the adversary on the population. Repair and provide basic infrastructure services. Support the fundamental needs of the population.

4.C.7 Execute broad ROE that preclude unnecessary strategic impact.

4.C.8 Maneuver at will in the urban battlespace, while maintaining situational awareness.

4.C.9 Rapidly reinforce committed forces from any and all dimensions of the urban battlespace.

4.C.10 Separate the adversary from his support base in the urban environment.

4.C.11 Deny adversaries and criminal elements the ability to operate effectively within an urban environment.

4.C.12 Expedite the transition of security functions from the joint force to local forces

JFCOM Concepts Required FL Capabilities Joint Urban Operations

4.D.1 Provide the capability for moving forces, supplies, and equipment into and throughout the urban environment, and for evacuating wounded personnel to secure locations even when strategic and theater lines of communication are not secure, access through fixed seaports and airfields is denied, and supported forces are widely dispersed in an urban environment.

JFCOM Concepts Required FP Capabilities

Joint Urban Operations

4.E.1 Provide adequate force protection to overcome reduced engagement geometry (distances, time, angle of attack etc.).

4.E.2 Mitigate the effects of weapons of mass destruction on the civilian population and infrastructure.